

ABSTRACT OF THE DISCLOSURE

Image data which includes a plurality of object unit
image data arranged in time series, such as field images, is
5 supplied from an image source. The object unit image data
subjected to the smoothing process is divided into blocks of
a predetermined size. Then, a difference between the object
unit image data and preceding unit image data which is
immediately before the object unit image data, and a difference
10 between the object unit image data and subsequent unit image
data which is immediately after the object unit image data are
determined for a plurality of blocks, based on a pixel value.
The object unit image data is smoothed with one of the preceding
unit image data and the subsequent unit image data having a
15 smaller difference. Thus, since the object unit image data
is always smoothed with the unit image data having the smallest
difference, effective noise elimination can be performed, with
preventing an adverse effect caused by the smoothing.